



**Washington Metropolitan Area Transit Authority**

# Metrobus Priority Corridor Network Services in Montgomery County

Montgomery County Government, Stakeholders, and Citizens

September 30, 2014



# What is the Metrobus Priority Corridor Network (PCN)?

- Strategy to improve service along high-ridership corridors
  - Network of 24 bus corridors, serving half of all Metrobus riders
  - Focus on service, transit operations, customer information, vehicles, fare payment, safety, facilities, and traffic operations
- Plan includes 7 corridors in Montgomery County, currently serving 60,000 riders per day
- PCN corridor plans
  - Framework for integrated service and capital investments
  - New MetroExtra limited-stop routes
  - Improved performance for all corridors





# Priority Corridor Network: Why Invest in PCN?

- Benefits the most riders in the shortest timeframe
  - PCN network covers 750,000 households with 1.8 million residents and 1.6 million jobs
- Provides an improved bus experience for new and existing riders
  - Improved service reliability, quality, and performance
  - Faster and more comfortable trips
  - Improved customer service and communication
- Can build transit markets
  - Influence on development patterns
  - 246 line miles of service
  - Capacity to serve an additional 10 million riders per year





# Characteristics of PCN Bus Service

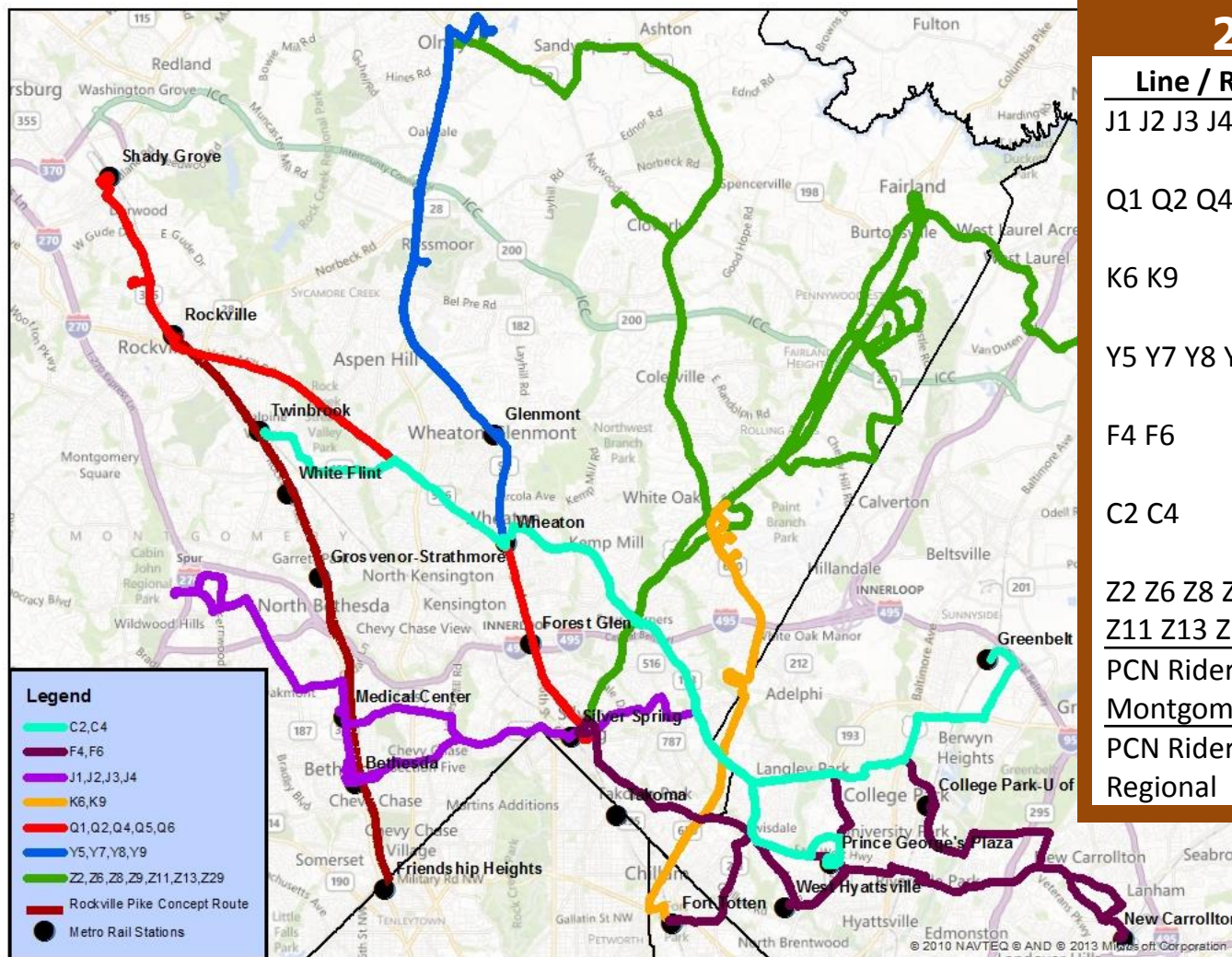
- PCN plans provide comprehensive action strategies designed to enhance customer experience and support transit life style:
  - MetroExtra limited-stop service to reduce travel times
  - Schedule modifications for regular Metrobus to improve reliability
  - Fleet expansion to provide new routes and expand capacity
  - Comprehensive information systems to meet consumer expectations
  - Enhanced bus stops for comfort, convenience and accessibility
- Short-term and long-term implementation strategies
- Coordination, collaboration and integration with jurisdictional projects is critical







# PCN in Montgomery County

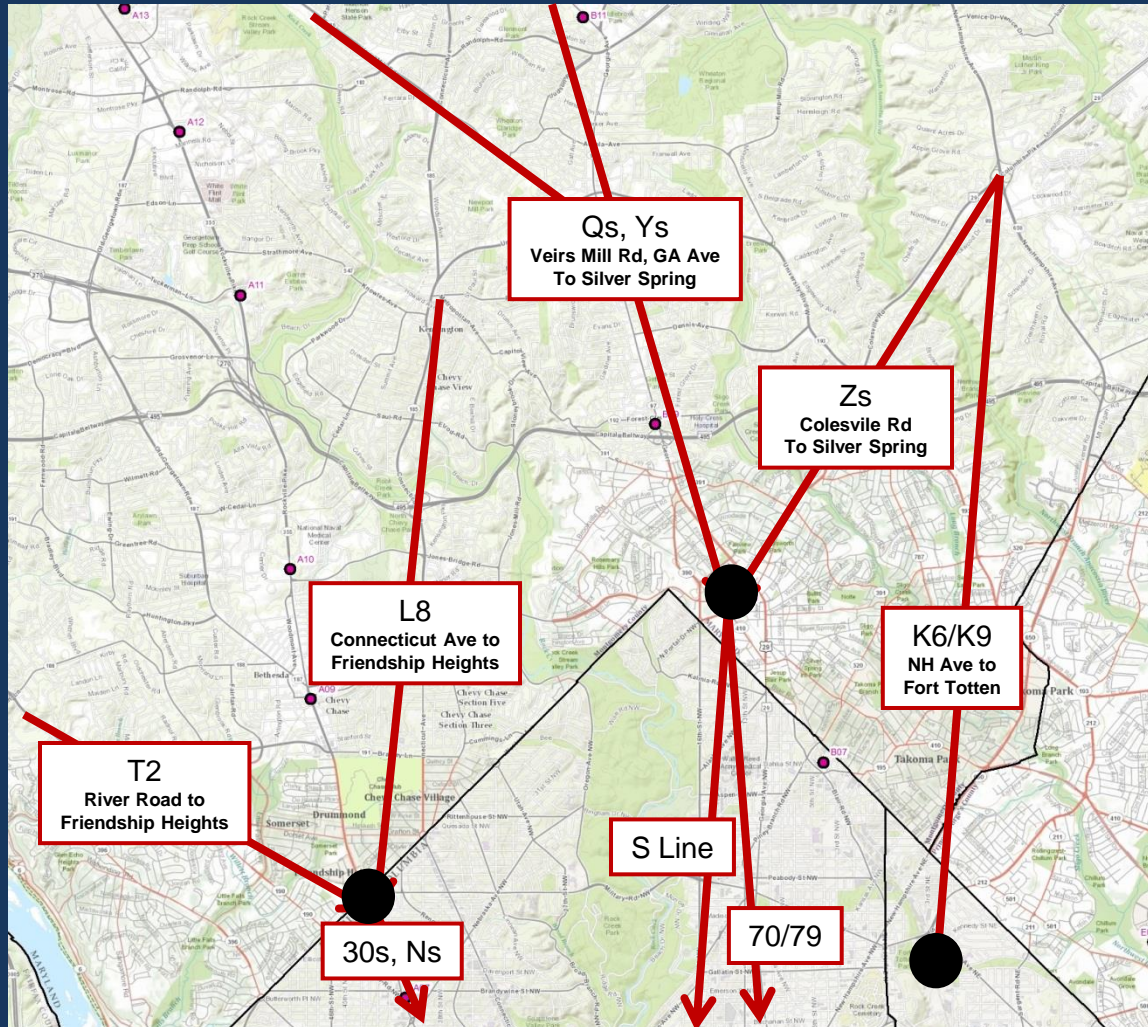


## 2014 Ridership

| Line / Route                    | Avg Daily | Annual     |
|---------------------------------|-----------|------------|
| J1 J2 J3 J4                     | 7,700     | 2,230,000  |
| Q1 Q2 Q4 Q5 Q6                  | 9,400     | 3,010,000  |
| K6 K9                           | 7,500     | 2,710,000  |
| Y5 Y7 Y8 Y9                     | 8,600     | 2,950,000  |
| F4 F6                           | 9,500     | 2,720,000  |
| C2 C4                           | 12,100    | 3,800,000  |
| Z2 Z6 Z8 Z9<br>Z11 Z13 Z29      | 8,500     | 2,480,000  |
| PCN Ridership<br>Montgomery Co. | 63,300    | 19,900,000 |
| PCN Ridership<br>Regional       | 246,000   | 73,150,000 |



# Current Metrobus Corridors between Montgomery County and DC



| Line              | Ridership |
|-------------------|-----------|
| K6/9              | 7,500     |
| L8                | 2,600     |
| Q1/2/4/5/6        | 9,400     |
| T2                | 1,800     |
| Y5/7/8/9          | 8,600     |
| Z2/6/8/9/11/13/29 | 8,500     |

## Other routes serving MC and DC

- D5: Somerset, Georgetown, Farragut
- E6: Knollwood, Chevy Chase, Friendship Heights
- K2: Takoma, Eastern Ave, Ft. Totten
- M4: Chevy Chase, Tenleytown, AU, Sibley
- All < 1000 daily riders



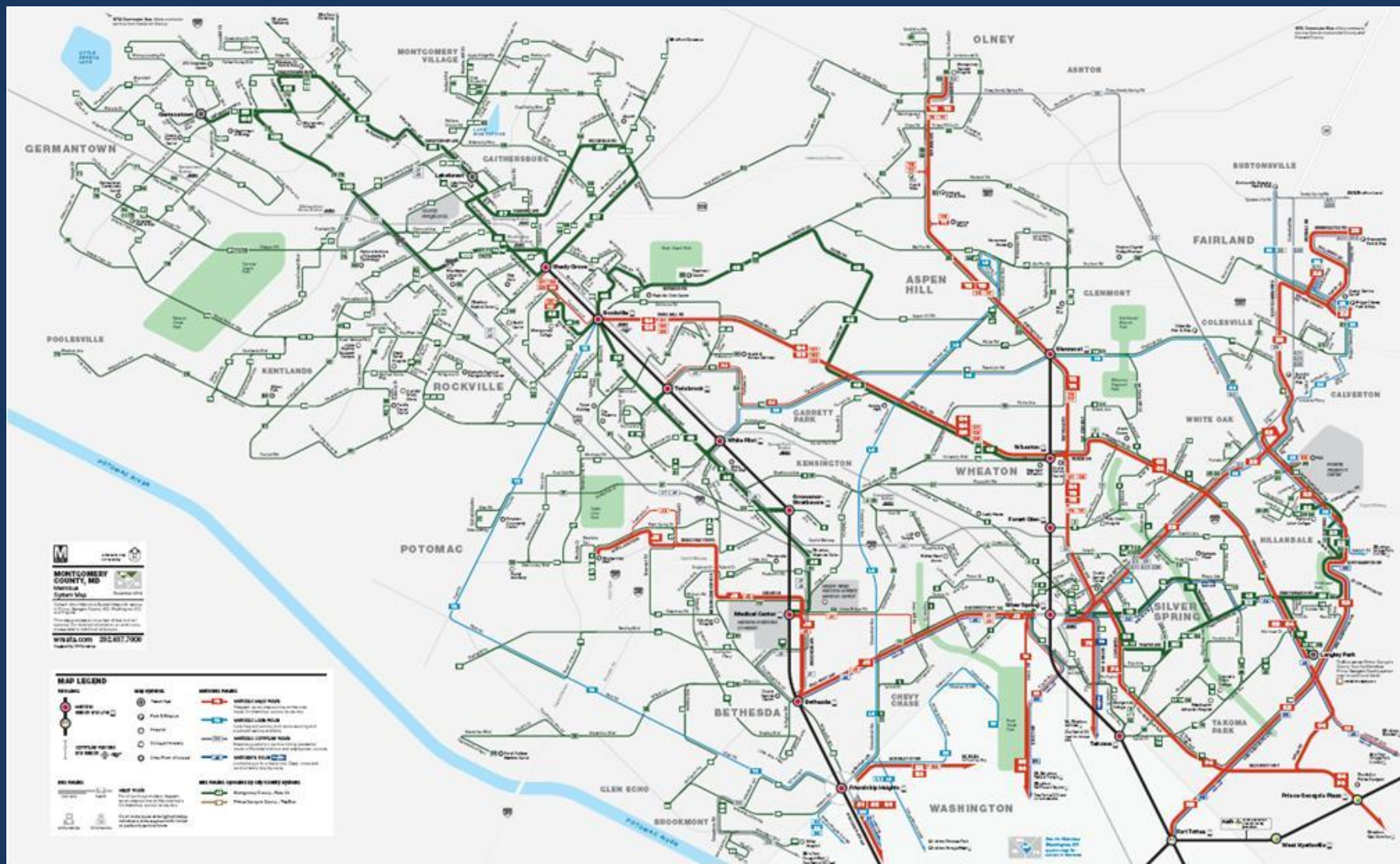


# Fulfilling the Priority Corridor Vision in Montgomery County

- Complete Corridor Development studies to define PCN service, facility, vehicle and funding needs (\$1.00 million)
- Operate and implement new services (\$17.72 million).
  - MetroExtra limited-stop routes.
  - Invest in Metrobus State of Good Operations (SOGO)
  - Deploy comprehensive information systems with Ride On.
  - Coordinate transit operations & traffic operations strategies
- Integrate Metrobus facility plans with County, MNCPPC, SHA and MDOT projects (\$10.0 million)
  - Enhance bus stops for comfort, convenience and accessibility
  - Deploy transit priority treatments
- Expand fleet \$36.36 million to enable MetroExtra routes, SOGO adjustments and utilize Montgomery Garage



# Current Bus Network in Montgomery County







# Priority Corridor Network: Implementation Status Across Region

|                      | Corridor                                     | Metrobus Routes                          | Implementation Status | MetroExtra Service          |
|----------------------|--|--|-----------------------|-----------------------------|
| District of Columbia | 1 Georgia Avenue / 7th Street                | 70, 74, 79                               | Substantial           | 79                          |
|                      | 2 Wisconsin Avenue / Pennsylvania Avenue     | 31, 32, 34, 36, 37, 39                   | Partial               | 37, 39                      |
|                      | 3 Sixteenth Street                           | S1, S2, S4, S9                           | Partial               | S9                          |
|                      | 4 H Street / Benning Road                    | X1, X2, X3, X9                           | Partial               | X9                          |
|                      | 5 Anacostia / Congress Heights               | A2, 6, 7, 8, 42, 46, 48; A4, 5, 9; W9    | Partial               | A9, W9                      |
|                      | 6 Fourteenth Street                          | 52, 53, 54                               | Service adjustments   | 59 (recommended)            |
|                      | 7 U Street / Garfield                        | 90, 92, 93                               | Service adjustments   | 99 (recommended)            |
|                      | 8 North Capitol Street                       | 80                                       | Study complete        | 80X (recommended)           |
|                      | 9 Rhode Island Avenue (DC)                   | G8                                       | Under Study           | Recommendation under review |
| Maryland             | 10 University Boulevard / East- West Highway | J1, J2, J3, J4                           | Partial               | J4                          |
|                      | 11 Southern Avenue Metro - National Harbor   | NH1, NH3                                 | Planned               | TBD                         |
|                      | 12 New Hampshire Avenue                      | K6, K9                                   | Partial               | K9                          |
|                      | 13 Georgia Avenue (MD)                       | Y5, Y7, Y8, Y9                           | Service adjustments   | Y9 (recommended)            |
|                      | 14 Veirs Mill Road                           | Q1, Q2, Q4, Q5, Q6                       | Service adjustments   | Q9 (recommended)            |
|                      | 15 East-West Highway (Prince George's)       | F4, F6                                   | Service adjustments   | F9 (recommended)            |
|                      | 16 Greenbelt / Twinbrook                     | C2, C4                                   | Study complete        | C9 (recommended)            |
|                      | 17 Rhode Island Avenue Metro to Laurel       | 81, 82, 83, 86, 87, 88, 89, 89M          | Under Study           | Recommendation under review |
|                      | 18 Eastover / Addison Road                   | P12                                      | Planned               | TBD                         |
| Virginia             | 19 Colesville Road / Columbia                | Z2, 6, 8, 9, 29, 11, 13                  | Planned               | TBD                         |
|                      | 20 Richmond Highway Express (REX)            | REX                                      | Partial               | REX                         |
|                      | 21 Columbia Pike (Pike Ride)                 | 16A, B, D, E, F, J; 16G, H, K, W; 16L, Y | Partial               | 16X, 16Y                    |
|                      | 22 Crystal City / Potomac Yard               | 9A, E, S, X                              | Substantial           | MetroWay (2014)             |
|                      | 23 Leesburg Pike                             | 28A, 28X, 28F, G, T                      | Partial               | 28X                         |
|                      | 24 Little River Turnpike / Duke Street       | 29K, N; 29C, E, G, H, X                  | Under Study           | Recommendation under review |



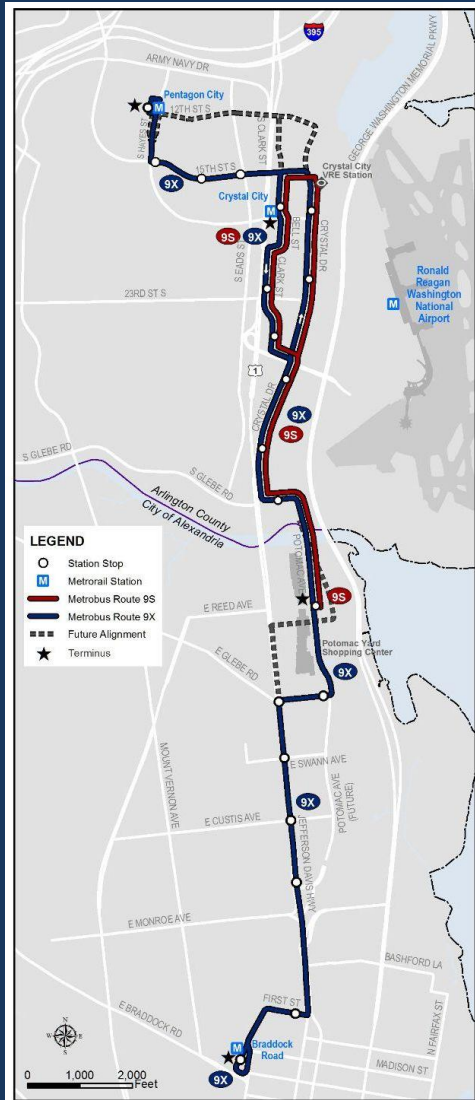
# Priority Corridor Network: Current Roadway Improvement Efforts

- Crystal City Potomac Yard Transitway
  - Completed construction along Route 1 in Alexandria
  - Construction completed in 2015 in Arlington
- Georgia Avenue between Florida Ave and Barry Place
- H and I Street NW bus lanes study complete
- TIGER grant for 76 Transit Signal Priority (TSP) controllers – working with local jurisdictions to identify corridors and locations for installation





# MetroWay: The Region's First BRT Implementation



- 5-mile corridor between Pentagon City and Braddock Road Metrorail stations
- 80% of corridor in dedicated right-of-way
- Expected daily ridership of 3,570 by 2017
- City of Alexandria
  - Construction of first 0.8 mile segment started summer 2012, completed summer 2014
  - Funded by \$8.5M TIGER grant and other state/federal grants
- Arlington County construction has begun, completion scheduled Spring 2015
- Phase I - Operates between Braddock Rd. and Crystal City Metrorail stations
- Phase II (Spring 2015) - Expands to include Pentagon City Metrorail station





# MetroWay: Current Operations

- Phase 1 service began August 24, 2014
- Ridership (week of September 21 – 27)
  - Weekday – 1,442
  - Saturday – 308
  - Sunday – 225
  - Weekly – 7,744
- Riders to-date (Aug 24 – Sep 27) – 34,029
- Stations

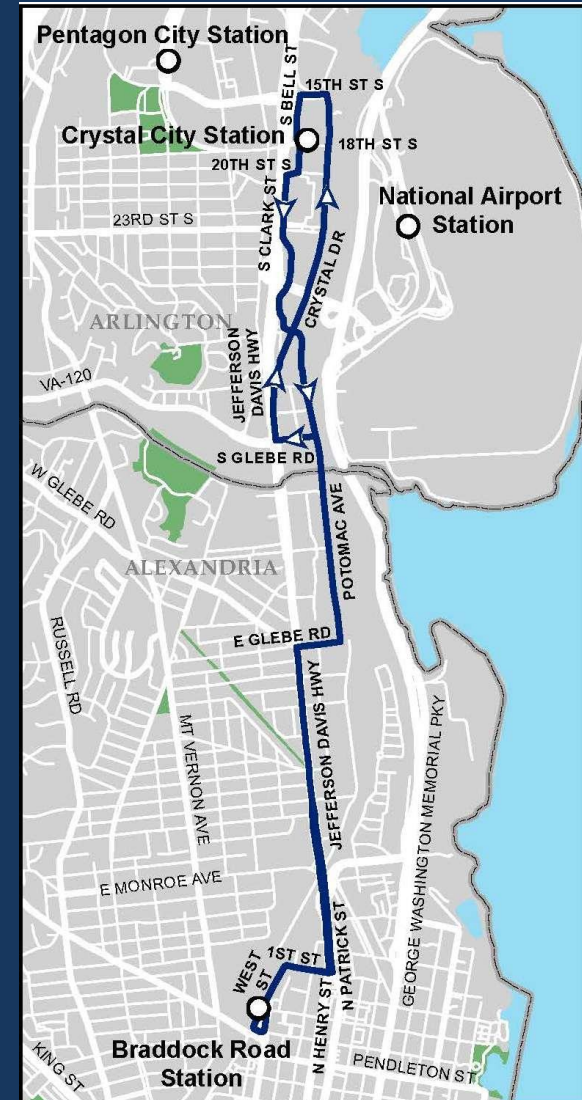
## Southbound

Crystal City Metro  
23rd & Clark  
26th & Clark  
27th & Crystal  
33rd & Crystal\*  
South Glebe  
Reed Avenue  
East Glebe Road  
Swann Avenue  
Custis Avenue  
Potomac Avenue  
Fayette Street\*  
Braddock Road Metro

## Northbound

Braddock Road Metro  
Fayette Street\*  
Potomac Avenue  
Custis Avenue  
Swann Avenue  
East Glebe Road  
Reed Avenue  
South Glebe  
33rd & Crystal\*  
27th & Crystal  
23rd & Crystal  
18th & Crystal  
Crystal City Metro

\*Opening 2015





# MetroWay: Transitway Amenities and Service Plan



- Frequent, reliable service
- Dedicated right-of-way
- Transit signal priority
- Off-board fare collection (proof of payment)
- Near-level boarding at station platforms
- Boarding at all doors
- Branded bus fleet
- Custom designed shelters and stations
- Real-time information



# Next Steps and Responsibilities

- **Jurisdictional Roles**
  - Incorporate PCN Study recommendations into local transportation policy and programming documents
  - Commit to right-of-way improvements that will improve the efficiency, reliability, and speed of bus travel
  - Commit capital funds to purchase additional buses
  - Commit operating funds for improved/expanded services
- **Role of Metrobus**
  - Connect communities within and across jurisdictional boundaries
  - Enhance regional access and mobility
  - Respond to regional transit needs and priorities
  - Planning role
  - Operating role
  - Provision of facilities and equipment
- **Improving bus service connections within and to/from Montgomery County supported by Metro Momentum**